

## Author index of Volume 101\*

- Ainsworth, M. and J.T. Oden, A procedure for a posteriori error estimation for  $h$ - $p$  finite element methods (1-3) 73- 96
- Babuška, I., L. Planck and R. Rodriguez, Basic problems of a posteriori error estimation (1-3) 97-112
- Bieterman, M.B., J.E. Bussoletti, C.L. Hilmes, F.T. Johnson, R.G. Melvin and D.P. Young, An adaptive grid method for analysis of 3D aircraft configurations (1-3) 225-249
- Bussoletti, J.E., see Bieterman, M.B. (1-3) 225-249
- Cescotto, S., see Dyduch, M. (1-3) 283-298
- Coussement, G., see Jacquotte, O.-P. (1-3) 397-432
- Della Croce, L., see Scapolla, T. (1-3) 43- 60
- Demkowicz, L., see Kuczma, M.S. (1-3) 183-196
- Demkowicz, L., A. Karafiat and J.T. Oden, Solution of elastic scattering problems in linear acoustics using  $h$ - $p$  boundary element method (1-3) 251-282
- Dyduch, M., A.M. Habraken and S. Cescotto, Automatic adaptive remeshing for numerical simulations of metalforming (1-3) 283-298
- Evans, A., see Szmelter, J. (1-3) 355-368
- Ewing, R.E., R.D. Lazarov and A.T. Vassilev, Adaptive techniques for time-dependent problems (1-3) 113-126
- Georges, M.K., see Shephard, M.S. (1-3) 443-462
- Guerlement, G., see Targowski, R. (1-3) 197-206
- Habraken, A.M., see Dyduch, M. (1-3) 283-298
- Hansbo, P., see Johnson, C. (1-3) 143-181
- Hilmes, C.L., see Bieterman, M.B. (1-3) 225-249
- Hugger, J., Adaptive recovery of near optimal meshes in the finite element method for parameter dependent problems (1-3) 127-141
- Jacquotte, O.-P. and G. Coussement, Structured mesh adaption: Space accuracy and interpolation methods (1-3) 397-432

\* The issue number is given in front of the page numbers.

- Jeans, R. and I.C. Mathews, A comparison of numerical collocation and variational procedures to the hypersingular acoustic integral operator (1-3) 5- 26  
 Jensen, S.,  $p$ -version of mixed finite element methods for Stokes-like problems (1-3) 27- 41  
 Johnson, C. and P. Hansbo, Adaptive finite element methods in computational mechanics (1-3) 143-181  
 Johnson, F.T., see Bieterman, M.B. (1-3) 225-249  
 Karafiat, A., see Demkowicz, L. (1-3) 251-282  
 Kočvara, M., An iterative method for adaptive finite element computation (1-3) 433-442  
 Kuczma, M.S. and L. Demkowicz, An adaptive algorithm for unilateral viscoelastic contact problems for beams and plates (1-3) 183-196  
 Lamblin, D., see Targowski, R. (1-3) 197-206  
 Lazarov, R.D., see Ewing, R.E. (1-3) 113-126  
 Li, X., see Wiberg, N.-E. (1-3) 369-395  
 Marchant, M.J., see Szmelter, J. (1-3) 355-368  
 Mathews, I.C., see Jeans, R. (1-3) 5- 26  
 Melvin, R.G., see Bieterman, M.B. (1-3) 225-249  
 Oden, J.T., see Ainsworth, M. (1-3) 73- 96  
 Oden, J.T., see Demkowicz, L. (1-3) 251-282  
 Ohnimus, S., see Stein, E. (1-3) 315-354  
 Planck, L., see Babuška, I. (1-3) 97-112  
 Rank, E., Adaptive remeshing and  $h$ - $p$  domain decomposition (1-3) 299-313  
 Rodriguez, R., see Babuška, I. (1-3) 97-112  
 Rust, W., see Stein, E. (1-3) 315-354  
 Scapolla, T. and L. Della Croce, On the robustness of hierarchic finite elements for Reissner-Mindlin plates (1-3) 43- 60  
 Shephard, M.S. and M.K. Georges, Reliability of automatic 3D mesh generation (1-3) 443-462  
 Stein, E., W. Rust and S. Ohnimus,  $h$ - and  $d$ -adaptive FE methods for two-dimensional structural problems including post-buckling of shells (1-3) 315-354  
 Stephan, E.P., Coupling of finite elements and boundary elements for some nonlinear interface problems (1-3) 61- 72  
 Szmelter, J., M.J. Marchant, A. Evans and N.P. Weatherill, Two-dimensional Navier-Stokes equations with adaptivity on structured meshes (1-3) 355-368

- Targowski, R., G. Guerlement and D. Lamblin, Geometrical interpretation for error estimation in finite element analysis (1-3) 197-206
- Vassilev, A.T., see Ewing, R.E. (1-3) 113-126
- Vidrascu, M., An evaluation of the solution of linear systems arising from 3D elasticity problems (1-3) 463-477
- Weatherill, N.P., see Szmelter, J. (1-3) 355-368
- Wiberg, N.-E., L. Zeng and X. Li, Error estimation and adaptivity in elastodynamics (1-3) 369-395
- Young, D.P., see Bieterman, M.B. (1-3) 225-249
- Zeng, L., see Wiberg, N.-E. (1-3) 369-395
- Zhu, J.Z., see Zienkiewicz, O.C. (1-3) 207-224
- Zienkiewicz, O.C. and J.Z. Zhu, The superconvergent patch recovery (SPR) and adaptive finite element refinement (1-3) 207-224



## Subject index of Volume 101\*

### *Boundary element methods*

- A comparison of numerical collocation and variational procedures to the hypersingular acoustic integral operator, R. Jeans and I.C. Mathews (1-3) 5– 26
- Coupling of finite elements and boundary elements for some nonlinear interface problems, E.P. Stephan (1-3) 61– 72
- Solution of elastic scattering problems in linear acoustics using *h-p* boundary element method, L. Demkowicz, A. Karafiat and J.T. Oden (1-3) 251–282

### *Coupled problems*

- Coupling of finite elements and boundary elements for some nonlinear interface problems, E.P. Stephan (1-3) 61– 72
- Solution of elastic scattering problems in linear acoustics using *h-p* boundary element method, L. Demkowicz, A. Karafiat and J.T. Oden (1-3) 251–282

### *Dynamics*

- An adaptive grid method for analysis of 3D aircraft configurations, M.B. Bieterman, J.E. Bussioletti, C.L. Hilmes, F.T. Johnson, R.G. Melvin and D.P. Young (1-3) 225–249
- Two-dimensional Navier–Stokes equations with adaptivity on structured meshes, J. Szmelter, M.J. Marchant, A. Evans and N.P. Weatherill (1-3) 355–368
- Error estimation and adaptivity in elastodynamics, N.-E. Wiberg, L. Zeng and X. Li (1-3) 369–395

### *Finite element and matrix methods*

- p*-version of mixed finite element methods for Stokes-like problems, S. Jensen (1-3) 27– 41
- On the robustness of hierarchic finite elements for Reissner–Mindlin plates, T. Scapolla and L. Della Croce (1-3) 43– 60
- Coupling of finite elements and boundary elements for some nonlinear interface problems, E.P. Stephan (1-3) 61– 72

\* The issue number is given in front of the page numbers.

- A procedure for a posteriori error estimation for  $h$ - $p$  finite element methods, M. Ainsworth and J.T. Oden (1-3) 73-96
- Basic problems of a posteriori error estimation, I. Babuška, L. Planck and R. Rodriguez (1-3) 97-112
- Adaptive techniques for time-dependent problems, R.E. Ewing, R.D. Lazarov and A.T. Vassilev (1-3) 113-126
- Adaptive recovery of near optimal meshes in the finite element method for parameter dependent problems, J. Hugger (1-3) 127-141
- Adaptive finite element methods in computational mechanics, C. Johnson and P. Hansbo (1-3) 143-181
- An adaptive algorithm for unilateral viscoelastic contact problems for beams and plates, M.S. Kuczma and L. Demkowicz (1-3) 183-196
- Geometrical interpretation for error estimation in finite element analysis, R. Targowski, G. Guerlement and D. Lamblin (1-3) 197-206
- The superconvergent patch recovery (SPR) and adaptive finite element refinement, O.C. Zienkiewicz and J.Z. Zhu (1-3) 207-224
- An adaptive grid method for analysis of 3D aircraft configurations, M.B. Bieterman, J.E. Bussioletti, C.L. Hilmes, F.T. Johnson, R.G. Melvin and D.P. Young (1-3) 225-249
- Automatic adaptive remeshing for numerical simulations of metalforming, M. Dyduch, A.M. Habraken and S. Cescotto (1-3) 283-298
- Adaptive remeshing and  $h$ - $p$  domain decomposition, E. Rank (1-3) 299-313
- $h$ - and  $d$ -adaptive FE methods for two-dimensional structural problems including post-buckling of shells, E. Stein, W. Rust and S. Ohnibus (1-3) 315-354
- Two-dimensional Navier-Stokes equations with adaptivity on structured meshes, J. Szmelter, M.J. Marchant, A. Evans and N.P. Weatherill (1-3) 355-368
- Error estimation and adaptivity in elastodynamics, N.-E. Wiberg, L. Zeng and X. Li (1-3) 369-395
- Structured mesh adaption: Space accuracy and interpolation methods, O.-P. Jacquotte and G. Coussement (1-3) 397-432
- An iterative method for adaptive finite element computation, M. Kočvara (1-3) 433-442
- Reliability of automatic 3D mesh generation, M.S. Shephard and M.K. Georges (1-3) 443-462
- An evaluation of the solution of linear systems arising from 3D elasticity problems, M. Vidrascu (1-3) 463-477

### *Fluid mechanics*

- $p$ -version of mixed finite element methods for Stokes-like problems, S. Jensen (1-3) 27-41
- Adaptive finite element methods in computational mechanics, C. Johnson and P. Hansbo (1-3) 143-181
- An adaptive grid method for analysis of 3D aircraft configurations, M.B. Bieterman, J.E. Bussioletti, C.L. Hilmes, F.T. Johnson, R.G. Melvin and D.P. Young (1-3) 225-249

- Two-dimensional Navier–Stokes equations with adaptivity on structured meshes, J. Szmelter, M.J. Marchant, A. Evans and N.P. Weatherill (1–3) 355–368
- Structured mesh adaption: Space accuracy and interpolation methods, O.-P. Jacquotte and G. Coussement (1–3) 397–432

*Numerical solution procedures*

- Structured mesh adaption: Space accuracy and interpolation methods, O.-P. Jacquotte and G. Coussement (1–3) 397–432
- An iterative method for adaptive finite element computation, M. Kočvara (1–3) 433–442
- Reliability of automatic 3D mesh generation, M.S. Shephard and M.K. Georges (1–3) 443–462
- An evaluation of the solution of linear systems arising from 3D elasticity problems, M. Vidrascu (1–3) 463–477

*Shells and plates*

- On the robustness of hierarchic finite elements for Reissner–Mindlin plates, T. Scapolla and L. Della Croce (1–3) 43–60
- An adaptive algorithm for unilateral viscoelastic contact problems for beams and plates, M.S. Kuczma and L. Demkowicz (1–3) 183–196
- h*- and *d*-adaptive FE methods for two-dimensional structural problems including post-buckling of shells, E. Stein, W. Rust and S. Ohnibus (1–3) 315–354

*Supersonic flow*

- An adaptive grid method for analysis of 3D aircraft configurations, M.B. Bieterman, J.E. Bussoletti, C.L. Hilmes, F.T. Johnson, R.G. Melvin and D.P. Young (1–3) 225–249
- Two-dimensional Navier–Stokes equations with adaptivity on structured meshes, J. Szmelter, M.J. Marchant, A. Evans and N.P. Weatherill (1–3) 355–368

*Systems of linear and nonlinear simultaneous equations*

- An iterative method for adaptive finite element computation, M. Kočvara (1–3) 433–442
- An evaluation of the solution of linear systems arising from 3D elasticity problems, M. Vidrascu (1–3) 463–477

